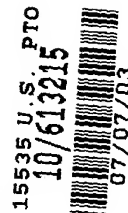


**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Francis PETERSEN and Richard P. MANAHAN  
Title: SPRINKLER SYSTEMS  
Serial No.: Unassigned  
Filing Date: 03/25/2002  
Examiner: Unassigned  
Art Unit: Unassigned



**UTILITY PATENT APPLICATION**  
**TRANSMITTAL**

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional utility patent application of:

Francis PETERSEN  
Richard P. MANAHAN

☐ Applicant claims small entity status under 37 CFR 1.27.

Enclosed are:

- ☒ Specification, Claim(s), and Abstract (19 pages).
- ☒ Formal drawings (7 sheets, Figures 1-13).
- ☒ Unexecuted Declaration and Power of Attorney (3 pages).
- ☐ Assignment of the invention to PHILLIPS PLASTICS CORPORATION.
- ☐ Assignment Recordation Cover Sheet.
- ☐ Small Entity statement.



- ☐ Request for application not to be published with certification under 35 USC 122(b)(2)(B)(i).
- ☐ Information Disclosure Statement.
- ☐ Form PTO-1449 with copies of \_\_\_ listed reference(s).
- ☐ Preliminary Amendment.
- ☒ Application Data Sheet (37 CFR 1.76 (3 pages)).

The filing fee is calculated below:

	Claims as Filed	Included in Basic Fee	Extra Claims	Rate	Fee Totals
Basic Fee				\$750.00	\$750.00
Total Claims:	21	- 20	= 1	x \$18.00	= \$18.00
Independents:	2	- 3	= 0	x \$84.00	= \$0.00
If any Multiple Dependent Claim(s) present:				+ \$280.00	= \$0.00
Surcharge under 37 CFR 1.16(e) for late filing of Executed Declaration and late payment of filing fee				+ \$130.00	= \$130.00
				SUBTOTAL:	= \$898.00
<input type="checkbox"/> Small Entity Fees Apply (subtract ½ of above):					= \$0.00
				TOTAL FILING FEE:	= \$898.00

- ☐ A check in the amount of \$0.00 to cover the filing fee is enclosed.
- ☒ The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.
- ☐ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date July 7, 2003

By *Richard L. Schwaab*

FOLEY & LARDNER  
Customer Number: 22428



22428

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